

Nav1.2 antibody

Cat. No. GTX54797

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-Fr, IP
Reactivity	Human, Mouse, Rat

Package
50 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	Assay dependent
ICC/IF	Assay dependent
IHC-Fr	Assay dependent
IP	Assay dependent

Not tested in other applications.

Calculated MW 228 kDa. ([Note](#))

Properties

Form	Liquid
Buffer	PBS, 1% BSA
Preservative	0.05% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	0.8 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Peptide (C)ASAESRDFSGAGGIGVFSE, corresponding to amino acid residues 467-485 (Intracellular loop between domains I and II) of rat Nav1.2 (Accession : P04775).
Purification	Purified by antigen-affinity chromatography
Conjugation	Unconjugated



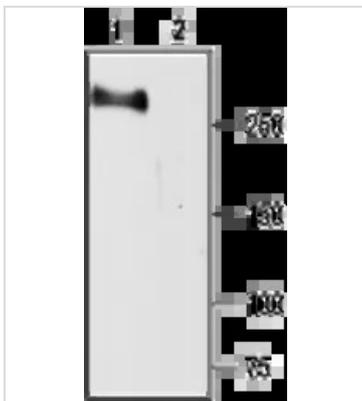
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Note

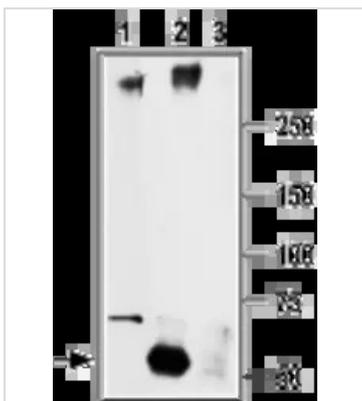
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DATA IMAGES

**GTX54797 WB Image**

WB analysis of rat brain membrane lysate using GTX54797 Nav1.2 antibody preincubated with or without immunogen peptide.

Dilution : 1:200

**GTX54797 IP Image**

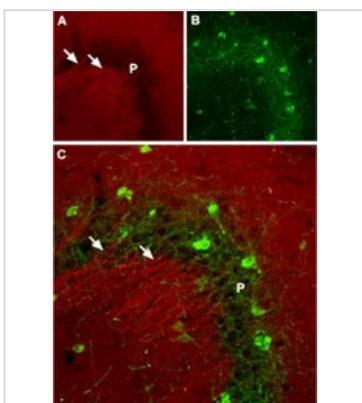
IP analysis of rat brain tissue lysate using GTX54797 Nav1.2 antibody. The lower arrow indicates the IgG heavy chain. WB was performed with the GTX54797 antibody.

IP reaction : 6 μ g

Lane 1 : Rat brain lysates

Lane 2 : Lysates immunoprecipitated with Anti-SCN2A (NaV1.2) Antibody

Lane 3 : Lysates immunoprecipitated with pre-immune rabbit serum

**GTX54797 IHC-Fr Image**

IHC-Fr analysis of mouse hippocampus tissue using GTX54797 Nav1.2 antibody.

Panel A : NaV1.2 (red) is present in dendrites of pyramidal neurons in the CA3 region.

Panel B : Staining of interneurons in the pyramidal layer with mouse anti-Parvalbumin (green) demonstrates the restriction of NaV1.2 to dendrites (arrows) extending from the pyramidal layer (P).

Panel C : Confocal merge of panels A and B.



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